

Water-Data Report 2008

**355428080493004 Local number IR-168, NCDENR Allison Woods Research Station CH-2, near  
Turnersburg, NC**

Piedmont and Blue Ridge crystalline-rock aquifers  
Mafic Gneiss

Iredell County, NC

LOCATION.--Lat 35°54'28.29", long 80°49'30.45" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03040102, 1.7 mi east of U.S. Interstate 77, 0.4 mi north of U. S. Highway 21 on Allison Woods Foundation property. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 200 ft, diameter 6 in., cased to 60 ft, open hole from 60 ft to 400ft.

DATUM.--Land-surface datum is 870.58 ft above North American Vertical Datum of 1988. Measuring point: divot on outer shell protective casing, 2.57 ft above land-surface datum, May 12, 2006, to present.

PERIOD OF RECORD.--May 2006 to current year.

GAGE.--Measured periodically with electric tape (by USGS and NCDENR, Division of Water Quality).

REMARKS.--Well is part of Piedmont/Mountains ground-water project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.30 ft below land-surface datum, May 18, 2007; lowest water level measured, 40.51 ft below land-surface datum, July 29, 2008.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM**

Date	Water level	Date	Water level
Oct 16, 2007	38.97	Mar 28, 2008	39.56
31	39.81	Apr 21	39.38
Nov 15	39.68	May 14	39.61
30	39.68	Jun 12	40.03
Dec 20	39.62	30	40.33
Jan 25, 2008	39.7	Jul 18	40.45
Feb 21	39.75	29	40.51

Highest: 38.97 Oct 16, 2007

Lowest: 40.51 Jul 29, 2008

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